

Wisconsin Ethanol Retailing Guide

GENERAL E85 INFORMATION

www.e85fuel.com

www.datcp.state.wi.us Keyword: alternative fuels

Compatible Equipment Database: <http://pei.org/e85/>

REGULATIONS & PERMITTING

The Department of Commerce
Storage Tank Regulation
Sheldon Schall
(608) 266-0956
sschall@commerce.state.wi.us

The Department of Revenue
State Tax implications
Zwettler, Charles
(608) 261-8985
czwettle@dor.state.wi.us

The Department of Natural Resources
Air Permitting
Kevin Kessler
(608) 266-5207
richard.kessler@doa.state.wi.us

GRANT PROGRAMS

National Ethanol Vehicles Coalition: on a limited basis, the NEVC may have small grants available to retailers that install or convert equipment to dispense E85. Typically, retailers must agree to sell E85 for a minimum of 24 months to qualify for this assistance. The grants generally cover the cost of professional cleaning and testing of fueling system as well as minor upgrades to alcohol-compatible hoses, steel or plated nozzles and 1-micron dispenser filters. In addition to the financial assistance, the NEVC provides a basic station kit of dispenser decals, pump toppers, nozzle covers and in-store materials for its retailer partners. Please note these grants are conducted on a case-by-case basis and are limited by the availability of NEVC funding. The NEVC reserve the right to decline stations that may not meet technical or operational requirements.. For more information go to www.e85fuel.com or call (877) 485 8595.

American Lung Association of the Upper Midwest may provide service station grant assistance, although limited at this time. For service station grant opportunities, contact the American Lung Association regional office at (651) 223-9577.

State of Wisconsin Oil Overcharge Program is currently under development and will provide \$5,000 per station for the installation of E85 or biodiesel equipment. Since this program has not been launched retailers are asked to submit their contact information including: first name, last name, address, city, state, zip, phone, fax, email and potential station locations to Maria Redmond at maria.redmond@datcp.state.wi.us or (608) 224-4607. . Please note that this funding will be competitive and an application process will be required.

TAX INCENTIVES

Federal Alternative Fuel Vehicle Refueling Property Credit provides the first ever federal income tax credit for the installation of ethanol and biodiesel fueling systems. The infrastructure development provision was part of the 2005 Energy Policy Act and provides a 30% federal income tax credit, up to \$30,000 per property, to install alternative fuel dispensing systems. The form for filing can be found at <http://www.irs.gov/pub/irs-pdf/f8911.pdf>.

Checklist

CHECKLIST OF INSTALLING OR CONVERTING EQUIPMENT TO DISPENSE E85

- ☐ Notify your licensed installer and the state underground storage tank program of your intent to dispense E85. Your installer should determine if the age, composition and condition of your tank and piping are safe for E85 use. For assistance, contact the National Ethanol Vehicle Coalition (NEVC) at 1-877-485-8595 or via www.E85Fuel.com.
- ☐ In the case of a conversion, the tank must be cleaned of all water and sediment. Ensure no water is present to protect the quality of your ethanol-blended fuels and your customers' vehicles.
- ☐ Ensure all visible fittings and connections at the top of the tank are tight (no vapors escape and no water enters).
- ☐ Ensure the sump and spill containment covers will prevent water from entering the system.
- ☐ Use ONLY 1-micron dispenser filters or a comparable E85-specific filter with E85 blends. Do NOT use 10-micron gasoline or 30-micron diesel filters. Cim-Tek is a popular brand of alcohol-compatible filters.
- ☐ Use ONLY an alcohol-compatible hose with E85.
- ☐ Use ONLY steel or nickel-plated swivels, connectors and nozzles with E85. Do NOT use aluminum gasoline nozzles.

- ☐ Identify the E85 fill port and paint the access cover according to API RP 1637. Make certain transport drivers cannot make fuel deliveries to the wrong fill pipe.
- ☐ Calibrate the dispenser liquid meter at time of conversion or new installation and two weeks later to verify meter accuracy with E85. More frequent calibration (API RP 1626) may be required to ensure the retailer is receiving proper compensation for the sale.
- ☐ Label dispenser with all E85 logos, cautionary and trade commission decals. Use nozzle covers identifying E85 is not gasoline or diesel. Consider using hangtags, pump toppers and other signage to educate your customers. Price sign inserts, curbside signs and the above decals and materials are available from the NEVC.
- ☐ Tank should be filled to 80% of capacity and kept as full as possible for 7 to 10 days.
- ☐ Conduct a precision test of the tank system (0.1 gallon/hour leak rate) with ATG system within seven days after tank is filled to confirm the integrity of the system and that the leak detection equipment is operating properly. Report any "fail" results immediately.
- ☐ Test for water at the start of each shift for the first 48 hours after delivery (use alcohol compatible paste if you stick the tanks; suitable water finder paste is available from the Sartomer Company and KolorKut Products Company). If presence of water is indicated, track down its source and fix the problem immediately.
- ☐ If product seems to pump slowly, check and replace filters. Persistently clogged filters could indicate moisture or another source of contamination.